International application No.

			PCT/JP2	005/023450			
A. CLASSIFICATION OF SUBJECT MATTER CO7D471/04(2006.01), A61K31/437(2006.01), A61K31/4375(2006.01), A61P1/00 (2006.01), A61P1/04(2006.01), A61P1/12(2006.01), A61P9/04(2006.01), A61P9/06(2006.01), A61P9/12(2006.01), A61P11/00(2006.01), According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED							
		ancification crambala)		········			
Minimum documentation searched (classification system followed by classification symbols) A61K31/437, A61K31/4375, A61P1/00, A61P1/04, A61P1/12, A61P9/04, A61P9/06, A61P9/12, A61P11/00, A61P11/06, A61P25/00, A61P25/08, A61P25/16, A61P25/20, A61P25/22, A61P25/24, A61P43/00, C07D471/04							
Jitsuyo Kokai J:	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2006 Kokai Jitsuyo Shinan Koho 1971-2006 Toroku Jitsuyo Shinan Koho 1994-2006						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAplus (STN), REGISTRY (STN), MEDLINE (STN), EMBASE (STN); BIOSIS (STN), WPIDS (STN)							
C. DOCUMEN	VIS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where app	propriate, of the relev	ant passages	Relevant to claim No.			
P,X	LIMBACH, M. et al., Addition of Indole to Methyl 2-Chloro-2-cyclopropylideneacetate en Route to Spirocyclopropanated Analogues of Demethoxyfumitremorgine C and Tadalafil, Eur. J. Org. Chem., 2005, Vol.3, pages 610 to 617			1,2,4-8,11, 13,19			
P,X	WO 2004/113300 A1 (Ono Pharmaceutical Co., Ltd.), 29 December, 2004 (29.12.04), Full text; particularly, Claim 5 (Family: none)			1-29,31			
	ocuments are listed in the continuation of Box C.	See patent far	mily annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "I" earlier application or patent but published on or after the international filing date "I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		date and not in or the principle or the principle or the considered nove step when the does "Y" document of part considered to in combined with or being obvious to	a document published after the international filing date or priority and not in conflict with the application but cited to understand principle or theory underlying the invention ument of particular relevance; the claimed invention cannot be sidered novel or cannot be considered to involve an inventive when the document is taken alone ument of particular relevance; the claimed invention cannot be sidered to involve an inventive step when the document is sidered to involve an inventive step when the document is sidered with one or more other such documents, such combination ag obvious to a person skilled in the art urneat member of the same patent family				
Date of the actual completion of the international search 24 March, 2006 (24.03.06)		Date of mailing of the international search report 11 April, 2006 (11.04.06)					
	ng address of the ISA/ se Patent Office	Authorized officer					

Telephone No.

Facsimite No.
Form PCT/ISA/210 (second sheet) (April 2005)

International application No.
PCT/JP2005/023450

		4005/023450
C (Continuation	a). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
V X	JP 2004-501919 A (Riri Aikosu Ltd., Raiabiriti Co.), 22 January, 2004 (22.01.04), Page 22, chemical formulas 35, 36 & WO 2002/000657 A2 & EP 1313736 A2 & US 2003/181457 A1	1,3,5-8,12
x	YAKHONTOV, L. N. et al., Azaindole derivatives. XXXVIII. Normal and abnormal course of reactions during 12-aza-β-carboline synthesis, Khimiya Geterotsiklicheskikh Soedinenii, 1970, Vol.11, pages 1550 to 1553	1,3,5,7,12
X	JP 2004-532852 A (Riri Aikosu Ltd., Raiabiriti Co.), 28 October, 2004 (28.10.04), Full text & WO 2002/088123 Al & EP 1383765 Al & US 2004/147542 Al	1,4-8,25-29,
X	JP 2004-518730 A (Riri Aikosu Ltd., Raiabiriti Co.), 24 June, 2004 (24.06.04), Full text & WO 2002/064591 A2 & EP 1360186 A2 & US 2004/116458 A1	1,4-8,25-29, 31
х	JP 2004-518729 A (Riri Aikosu Ltd., Raiabiriti Co.), 24 June, 2004 (24.06.04), Full text & WO 2002/064590 A2 & EP 1360185 A2 & US 2004/122035 A1	1,4-8,25-29, 31
X	JP 2002-524564 A (ICOS Corp.), 06 August, 2002 (06.08.02), Full text & WO 2000/015639 A1 & EP 114048 A1 & US 6462047 B1	1,4-8,25-29, 31
X	JP 2002-517500 A (SOCIETE DE CONSEILS DE RECHERCHES et D'APPLICATIONS SCIENTIFIQUES S.A.S.), 18 June, 2002 (18.06.02), Full text & WO 1999/064420 A1 & EP 1086101 A1 & US 6586445 B1 & US 2004/38970 A1	1,4-8,25-29, 31
X	JP 3-287586 A (Taisho Pharmaceutical Co., Ltd.), 18 December, 1991 (18.12.91), Full text (Family: none)	1,4-8,25-27, 29,31

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		PCI/UPZ	05/023450
C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant	passages	Relevant to claim No.
X	JP 9-511246 A (Interneuron Pharmaceutical Inc.), 11 November, 1997 (11.11.97), Full text & WO 1995/026723 A1 & EP 754041 A1 & US 5403851 A	s,	1,4-8,25,26, 29,31
X	US 4336260 A (The Dow Chemical Co.), 22 June, 1982 (22.06.82), Full text (Family: none)		1,4,5,7,25, 26,29,31
x	CAIN, M. et al., β-Carbolines: Synthesis a Neurochemical and Pharamacological Actions on Brain Benzodiazepine Receptors, J. Med. Chem., 1982, Vol.25, pages 1081 to 1091		1,4,5,7,25, 29
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Form PCT/ISA/210 (continuation of second sheet) (April 2005)

International application No.

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Continuation of A. CLASSIFICATION OF SU								
(International Patent Classification	(IPC))							
A61P11/06(2006.01), A61P25/00(2006.01), A61P25/08(2006.01), A61P25/16(2006.01), A61P25/20(2006.01), A61P25/22(2006.01),								
A61P25/24(2006.01), A61P43/00(2006.01)	AULEZU/22\2000.01),							
(According to International Patent Classification (IPC) or to both national								
classification and IPC)								

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.: 30 because they relate to subject matter not required to be searched by this Authority, namely: The invention as set forth in claim 30 pertains to methods for treatment of the human body by therapy and thus relates to a subject matter which this International Searching Authority is not required, under the provisions of Article 17(2)(a)(i) of the PCT (continued to extra sheet) Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, payment of a protest fee The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.				
No protest accompanied the payment of additional search fees. Form PCT/ISA/210 (continuation of first sheet (2)) (April 2005)				

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Continuation of Box No.II-1 of continuation of first sheet(2)

and Rule 39.1(iv) of the Regulations under the PCT, to search.

<Observation on the International Application>

Although "prodrugs" are mentioned in claims 1-25, 29 and 31, only a part of compounds among the prodrugs as disclosed in paragraph [0077] of the description are considered to be disclosed within the meaning of PCT Article 5.

Consequently, the invention of claims 1-25, 29 and 31 is not fully supported by the description within the meaning of PCT Article 6. Since the invention of claims 26-28 refers to claim 25, it is not fully supported by the description within the meaning of PCT Article 6 just like claim 25.

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